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Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Complete if Known	
	Application Number	09/373,333
	Filing Date	August 12, 1999
	First Named Inventor	Venkiteswatan Subramanian
	Group Art Unit	Unassigned
	Examiner Name	Unassigned
	Attorney Docket Number	02-025630US

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			

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		Office	Number	Kind Code (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
DB	AA	CRAMERI et al., "DNA shuffling of a family of genes from diverse species accelerates directed evolution" (1998) <i>Nature</i> vol. 391, pp 288-291	

Examiner Signature		Date Considered	1/25/01
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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DPJ	AA	5,512,463		Stemmer	04-30-1996	
	AB	5,514,588		Varadaraj	05-07-1996	
	AC	5,605,793		Stemmer	02-25-1997	
	AD	5,763,239		Short et al.	06-09-1998	
	AE	5,789,228		Lam et al.	08-04-1998	
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	AG	5,814,473		Warren et al.	09-29-1998	
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	AL	5,876,997		Kretz	03-02-1999	
	AM	5,925,749		Mathur, et al.	07-20-1999	
	AN	5,928,905		Stemmer, et al.	07-27-1999	
	AO	5,939,250		Short, Jay M.	08-17-1999	
	AP	5,939,300		Robertson, et al.	08-17-1999	
	AQ	5,942,430		Robertson, et al.	08-24-1999	
	AR	5,948,666		Callen, et al.	09-07-1999	
	AS	5,958,672		Short, Jay M.	09-28-1999	
	AT	5,958,751		Murphy, et al.	09-28-1999	
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	AV	5,962,283		Warren et al.	10-05-1999	
	AW	5,965,408		Short, Jay M.	10-12-1999	
DPJ	AX	5,985,646		Murphy, et al.	11-16-1999	

Examiner Signature	Diana B. J.	Date Considered	1/23/03
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		Office	Number	Kind Code (if known)				
1 DBJ	AY	EP	0293358A		Monsanto Co.	11-30-1988		
2 DBJ	AZ	WO	92/06201		Monsanto Co.	04-16-1992		
3	BA	WO	97/07205		Novo Nordisk A/S	02-27-1997		
4 DBJ	BB	WO	97/20078		Affymax Technologies	06-05-1997		
5	BC	WO	97/25410		Novo Nordisk A/S	07-17-1997		
6	BD	WO	97/35957		Maxygen, Inc.	10-02-1997		
7 DBJ	BE	WO	97/35966		Maxygen, Inc.	10-02-1997		
8	BF	WO	97/44361		Recombinant Biocatalysis Inc.	11-27-1997		
9	BG	WO	97/48416		Recombinant Biocatalysis, Inc.	12-24-1997		
10	BH	WO	97/48717		Recombinant Biocatalysis Inc	12-24-1997		
11	BI	WO	97/48794		Recombinant Biocatalysis Inc	12-24-1997		
12	BJ	WO	98/00526		Recombinant Biocatalysis Inc	01-08-1998		
13	BK	WO	98/01581		Recombinant Biocatalysis Inc	01-15-1998		
14	BL	WO	98/13485		Maxygen, Inc.	04-02-1998		
15 DBJ	BM	WO	98/13487		Maxygen, Inc.	04-02-1998		
16	BN	WO	98/24799		Diversa Corp.	06-11-1998		
17	BO	WO	98/27230		Maxygen, Inc.	06-25-1998		
18	BP	WO	98/28416		Novo Nordisk A/S	07-02-1998		
19 DBJ	BQ	WO	98/31816		University of Minnesota	07-23-1998		
20 DBJ	BR	WO	98/31837		Maxygen, Inc.	07-23-1998		
21	BS	WO	98/36080		Maxygen, Inc.	08-20-1998		

Diana B. [Signature]

Date
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	Attorney Docket Number	02-025630US

22	BT	WO	98/41622	Novo Nordisk A/S	09-24-1998		
23	BU	WO	98/41623	Novo Nordisk A/S	09-24-1998		
24	BV	WO	98/41653	Novo Nordisk A/S	09-24-1998		
25	BW	WO	98/42832	California Institute of Technology	10-01-1998		
26	BX	WO	98/48034	Diversa Corp.	10-29-1998		
27	BY	WO	98/54330	Zeneca Ltd.	12-03-1998		
28	BZ	WO	98/58085	Diversa Corp.	12-23-1998		
29	CA	WO	99/07837	Diversa Corp.	02-19-1999		
30	CB	WO	99/07865	Kimeragen Inc.	02-18-1999		
31	CC	WO	99/08539	Diversa Corp.	02-25-1999		
32	CD	WO	99/10472	Diversa Corp.	03-04-1999		
33	CE	WO	99/10539	Diversa Corp.	03-04-1999		
34	CF	WO	99/19518	Diversa Corp.	04-22-1999		
35	CG	EP	0911396A2	Maxygen, Inc.	04-28-1999		
36	CH	WO	99/21979	Maxygen, Inc.	05-06-1999		
37	CI	EP	0911396A3	Maxygen, Inc.	05-06-1999		
38	CJ	WO	99/23107	Maxygen, Inc.	05-14-1999		
39	CK	WO	99/23236	Diversa Corp.	05-14-1999		
40	CL	WO	99/25853	Pioneer Hi Bred Int.	05-27-1999		
41	CM	EP	0934999A1	Maxygen, Inc.	08-11-1999		
42	CN	WO	99/41369	Maxygen, Inc.	08-19-1999		
43	CO	WO	99/41383	Maxygen, Inc.	08-19-1999		
44	CP	WO	99/41402	Maxygen, Inc.	08-19-1999		
45	CQ	WO	99/45154	Diversa Corp.	09-10-1999		
46	CR	WO	99/57128	Maxygen, Inc.	11-11-1999		
47	CS	WO	99/65927	Maxygen, Inc.	12-23-1999		

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1 <i>[Signature]</i>	CT	LEE, K.Y., et al, May 1990, "Homologous recombination in plant cells after Agrobacterium-mediated transformation" PLANT CELL, Vol. 2 p. 415-425, XP002128868	
2	CU	ENGELS, P., et al., 1992, "Comparison of homologous recombination frequencies in somatic cells of petunia and tobacco suggest two distinct recombination pathways" THE PLANT JOURNAL, vol. 2, no. 1, p. 59-67, XP002128869	
3	CV	Mourad, G., et al., 1994, "Intragenic recombination in the CSR1 locus of Arabidopsis" MOL. GEN. GENET, vol. 243, p. 178-184, XP002128867	
4	CW	MAJUMDER, K., et al, "Background-minimized cassette mutagenesis by PCR using cassette-specific selection markers: a useful general approach for studying structure-function relationships of multisubstrate enzymes" PCR METHODS AND APPLICATIONS, vol. 4, p. 212-218, XP002128870	
dup. 5 <i>[Signature]</i>	CX	CRAMERI, A., et al, January 1998, "DNA shuffling of a family of genes from diverse species accelerated directed evolution" NATURE, GB, MACMILLAN JOURNALS LTD. vol. 391, p. 288-291, XP000775869	

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